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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/728,624	12/04/2003	Giorgio Barrera	2945/005 Div.	9071

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EXAMINER

PHAN, THIEM D

ART UNIT	PAPER NUMBER
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3729

DATE MAILED: 04/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/728,624

Applicant(s)

BARRERA ET AL.

Examiner

Tim Phan

Art Unit

3729

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 March 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) 6-10 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2 and 5 is/are rejected.
- 7) ☒ Claim(s) 3 and 4 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3.17/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

1. Applicants' election without traverse of group I, Claims 1-5, filed on 3/07/05, is acknowledged.

The Restriction mailed on 2/15/05 has been carefully reviewed and is held to be proper. Moreover Applicants did not distinctly and specifically point out any error in the Restriction Requirement. Accordingly, Claims 6-10 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected Group, there being no allowable generic or linking claim.

The Restriction filed on 2/15/05 is hereby **made Final**.

Applicants are required to cancel these nonelected claims (6-10) or take other appropriate action.

An Office Action on the merits of Claims 1-5 now follows.

Title

2. The following title is suggested: "A Method of Forming a Hollow Cylindrical Dynamo-electric Machine stator Core".

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 2 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicants' Admitted Prior Art (AAPA) in view of Asao et al (US 6,147,431) hereinafter '431 or vice versa.

As applied to claims 1 and 5, the AAPA teaches a process of making stator core, comprising:

- supplying first and second strips of source material (Specification, page 3, lines 11 & 12);
- helically coiling the first strip (Specification, page 3, line 10) to produce a first helical coil;
- helically coiling the second strip (Specification, page 3, line 10) to produce a second helical coil; and
- assembling the first and second helical coils substantially coaxially with one another and axially spaced from one another by an annular lamination (Specification, page 3, lines 12-15) which is also substantially coaxial with the first and second coils to produce the

hollow cylindrical dynamo-electric machine stator core; except for applying pressure to the first and second trip in order to modify an axial length dimension of both strips.

The '431 teaches a method of manufacturing a stator core, comprising:

- applying pressure to the strip laminations (Col. 3, lines 35 & 36), which will modify an axial length dimension of the strip lamination and compact the stator core for caulking.

It would be obvious to one of ordinary skill in the art at the time the invention was made to combine the two teachings by applying the pressure to the strip laminations or the first and second strip laminations, as taught by the '431, to the wound strip laminations of the AAPA in order to compact the stator core for caulking or welding.

As applied to claim 2, the AAPA and the '431 teach a process of making stator core, which reads on Applicants' claimed invention; except for passing the strip lamination through a nip between pressure rollers.

It would be obvious to one of ordinary skill in the art at the time the invention was made to pass the strip lamination through a nip between pressure rollers in order to guide the lamination for further compacting the strip lamination winding in a die (The '431, Fig. 3, 10 & 6).

5. Claim 2 is further rejected under 35 U.S.C. 103(a) as being unpatentable over the AAPA in view of the '431 and further view of Fritzsche (US 4,914,934) hereinafter '934.

The AAPA and the '431 teach a process of making stator core, which reads on Applicants' claimed invention; except for passing the strip lamination through a nip between pressure rollers.

The '934 teaches a method of forming an edgewise wound core with a pair of rollers (Fig. 1, 41) to guide and compact the strip lamination.

It would be obvious to one of ordinary skill in the art at the time the invention was made to apply the rollers, as taught by the '934, to the process of making the stator core of the AAPA and '431, in order to clamp and guide the strip lamination for better stamping or punching.

Allowable Subject Matter

6. Claims 3 and 4 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion


7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tim Phan whose telephone number is 571-272-4568. The examiner can normally be reached on M - F, 9AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tim Phan
Examiner
Art Unit 3729



A. DEXTER TUGBANG
PRIMARY EXAMINER

tp
April 7, 2005